

1. An assembly for lifting a boat locatable adjacent a dock comprising a pair of elongate vertically disposed pilings having a lower end portion mounted into the floor of a body of water near such dock and an upper end portion extending upwardly adjacent such dock, a cradle for carrying a boat, lifting means connected to said cradle for moving said cradle substantially vertically, said lifting means including a movable member attached to such dock, and cable means mounted to each said piling and being connected between said movable member and said cradle, said movable member being movable between a first position for lifting said cradle and a second position for lowering said cradle.
2. The assembly as defined in Claim 1 wherein said movable member includes a hydraulic operating means having an extensible piston and a stationary cylinder, said cable means mounted to said piston.
3. The assembly as defined in Claim 1 wherein said lifting means includes at least one pulley on each said piling for mounting said cable means to each said piling.
4. The assembly as defined in Claim 1 further including a pair of guide members mounted between said cradle and slidably engaged with each said piling for inhibiting lateral movement of said cradle when said cradle is being moved vertically.
5. The assembly as defined in Claim 4 wherein each said guide member is rigidly mounted to said cradle and slidably engaged with a respective said piling.
6. The assembly as defined in Claim 5 wherein each said guide member includes rollers mounted against said respective piling.

7. The assembly as defined in Claim 5, wherein said cradle further includes a pair of bunk rails each having one end secured to a respective one of said pair of guide members and each having one free end disposed substantially perpendicularly to said respective guide members, said cradle further including a pair of elongate bunks secured onto and extending transversely across said pair of bunk rails for maintaining a water vessel therebetween.

8. The assembly as defined in Claim 7, further including
a second pair of pilings oppositely spaced from said first pair of pilings and mounted adjacent said free ends of said pair of bunk rails and onto a floor of a body of water; and
a second pair of guide members secured to respective free ends of said pair of bunk rails and movable along said second pair of pilings for providing stability to said cradle as said cradle moves along said pair of pilings.

9. The assembly as defined in Claim 1 wherein said pilings are inclined from the vertical direction with said lower end portion of each said piling being located outwardly of a dock and said upper end portion of each said piling being closely adjacent dock.

10. An assembly for lifting a boat locatable adjacent a dock comprising a pair of elongate vertically disposed pilings having a lower end portion mounted into the floor of a body of water spaced away from such dock and an upper end portion extending upwardly spaced away from such dock, a cradle for carrying a boat located between the dock and said pilings, hydraulic lifting means having a stationary member and an extensible member connected to said cradle for moving said cradle substantially vertically, and cable means mounted to such dock and said pilings and connected between said extensible member and said cradle, said movable member being movable between a first position for lifting said cradle and a second position for lowering said cradle.

11. The assembly as defined in Claim 10 wherein said lifting means further includes at least one pulley mounted on the dock for mounting said cable means to the dock.

12. The assembly as defined in Claim 10 further including a pair of guide members mounted between said cradle and each said piling for inhibiting lateral movement of said cradle when said cradle is being moved vertically.

13. The assembly as defined in Claim 12 wherein each said guide member is rigidly mounted to said cradle and slidably engaged with a respective said piling.

14. The assembly as defined in Claim 5 wherein each said guide member includes rollers mounted against said respective said piling.

15. The assembly as defined in Claim 10 wherein said pilings are inclined from the vertical direction with said lower end portion of each said piling being located outwardly of a dock and said upper end portion of each said piling being close to said adjacent dock.

16. The boat lift of Claim 13, wherein said cradle further includes a pair of bunk rails each having one end secured to a respective one of said pair of guide members and each having one free end disposed substantially perpendicularly to said respective guide members, said cradle further including a pair of elongate bunks secured onto and extending transversely across said pair of bunk rails for maintaining a water vessel therebetween.

17. A boat lift mounted to a dock comprising a cable-handling system including:

a pair of elongate pilings each having one end mounted into a floor of a body of water and an opposite end extending above an edge of a dock,

a movable piston arm and an oppositely disposed stationary cylinder end secured to a dock,

a first plurality of pulleys attached between said piston and said cylinder,

a second plurality of pulleys cooperating with said first plurality of pulleys and disposed outside of said cable-handling unit, respectively;

a cradle for supporting a boat thereon and being operatively movable in a substantially vertical direction along said pair of pilings;

a pair of elongate cables each having one end routed through said piston arm and affixed to said cradle and an opposite end secured to the dock and routed through said first and second pluralities of pulleys, said first plurality of pulleys directing said cables in a substantially horizontal direction and said second plurality of pulleys guiding said cables vertically adjacent said pair of pilings,

said piston being extensible to a first position away from said cylinder end for lowering said cradle vertically adjacent said pair of pilings and being retractable to a second position for raising said cradle vertically adjacent said pair of pilings.

18. The boat lift of Claim 17 wherein said cradle includes a pair of guide members for slidably moving said cradle along said pair of pilings.

19. The boat lift of Claim 12 wherein said one end of each said pair of cables is secured to a respective one of said pair of guide members for raising and lowering said cradle.

20. The boat lift of Claim 19 wherein said cradle further includes a pair of bunk rails each having one end secured to a respective one of said pair of guide members and each having one free end disposed substantially perpendicularly to said respective guide members, said cradle further including a pair of elongate bunks secured onto and extending transversely across said pair of bunk rails for maintaining a water vessel therebetween.